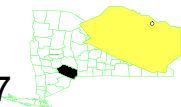


SIDNEY LANDFILL SITE

NEW YORK

EPA ID# NYD980507677



EPA REGION 2
CONGRESSIONAL DIST. 23
Delaware County
Sidney

Site Description

The Sidney Landfill site covers 50 acres of a hilltop located on the eastern side of Richardson Hill Road, approximately 1 mile from Route 27 in the Town of Sidney. The landfill, located in a sparsely populated area of steep hills, woods, and farmland, accepted municipal and commercial waste, and possibly, waste oils from 1964 until 1972. A wetland area and Herrick Hollow Creek are immediately down slope from the site. Organic solvents are present in the bedrock aquifer. Contamination from the site poses a threat to local springs. Leachate seeps have been associated with this landfill since the 1960s. Approximately 1,000 people who depend on surface water or ground water for their drinking water supply live within 3 miles of the site.

Site Responsibility: This site is being addressed through federal and potentially responsible parties' actions.

NPL LISTING HISTORY

Proposed Date: 06/24/88

Final Date: 03/30/89

Threats and Contaminants



The ground water on- and off-site contains volatile organic compounds (VOCs), including solvents and polychlorinated biphenyls (PCBs). The leachate, sediments, and surface water on-site contain VOCs. Solvents and PCBs are present in on-site soils. Direct contact with contaminated soil and with contaminated ground water may pose a threat.

Cleanup Approach



The site is being addressed in two stages: immediate actions and a long-term remedial phase focusing on the cleanup of the entire site.

Response Action Status



Immediate Actions: Approximately eighty warning signs were posted along the perimeter of the landfill by EPA.



Entire Site: EPA initiated a remedial investigation and feasibility study (RI/FS) in 1990 to determine the nature and extent of the contamination problem at the site and to evaluate remedial alternatives. Following the completion of the RI/FS, a Record of Decision was signed on September 28, 1995, selecting a final remedy for the site. The selected remedy calls for the construction of four independent closure caps over several disposal areas and extracting and treating contaminated ground water located in a ground water hot spot.

To facilitate the implementation of the remedy, the design and construction of the closure caps and the ground water remedy are being performed separately. The design of the caps was completed in September 1998 and the construction was completed in November 1999.

To improve the ability to recover water from the bedrock, blasting was used to interconnect existing fractures and to create new fractures the bedrock. Following the fracturing of the bedrock, however, it was concluded that extracting contaminated ground water from the blasted trench may not be the most effective means of remediating the ground water (there is no longer water in the trench). Since significant levels of ground water contamination still existed, alternative ground water remedial technologies were evaluated. Based upon this evaluation, pilot-scale testing of an alternative technology (hydrogen release compound injection) was implemented. The results of the pilot study were submitted in Fall 2003. A final report is to be submitted in Winter 2004.

Site Facts: EPA sent 53 information request letters and followed up with 15 letters notifying potentially responsible parties (PRPs) of their liability and requesting them to initiate an RI/FS. No good faith offers were received and the investigation of the site was financed by the Superfund. In August 1996, the PRPs agreed to design and construct the remedy selected by EPA pursuant to a Unilateral Administrative Order issued by EPA.

The Richardson Hill Road Landfill site, also listed on the National Priorities List, is located directly across the street from the Sidney Landfill site.

Cleanup Progress (Cap Construction Completed; Ground Water Remedy Underway)

After listing the site on the NPL, EPA conducted a preliminary evaluation of the conditions at the site and determined that no immediate actions were required to make the site safer while investigations leading to the implementation of a remedy were taking place.

Site Repositories



Sidney Memorial Public Library, Main Street, Sidney, New York 13838

EPA Region II Superfund Records Center, 290 Broadway, 18th Floor, New York, NY 10007-1866

